

SHERESHEVSKIY, G.L.

The APChG-2 automatic device for shuttling curtain machines. Biul.-
tekh.-ekon.inform. no.11:61-62 '61. (MIRA 14:12)
(Shuttles, Threading of)

REFLEXES, etc.

Reflexes

Physiological explanation of the process of artificial intensification of the knee jerk reflex. Zhur. nevr. i psikh. 52 no. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

SHERESHEVSKIY, G.M.

Rare complication of acute appendicitis. Khirurgiia 32 no.2:77 F '56.
(APPENDICITIS) (MIRA 9:7)

17(14)

SOV/177-58-11-3/50

AUTHOR: Shereshevskiy, G.M., Lieutenant-Colonel of the Medical Corps

TITLE: Remote Sequela of Closed Injuries of the Brain

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 11, pp 10 - 13 (USSR)

ABSTRACT: The author reports on remote sequela of closed traumas in the brain, above all on posttraumatic cysts. The article is based on 2 case histories and data by N. A. Zavadskiy, I.S. Kurilenko, M.O. Gurevich, G.V. Pervushin, G.I. Serebrennikov, A.N. Bakulev, M.A. Aleksandrovskaia, A.S. Yuzhelevskiy, M.M. Gol'dshteyn and A.V. Triumfov. The author refers to the classification of L.I. Smirnov on the traumatic disease of the brain. He distinguishes 5 periods in the course of the disease: 1) The initial period; 2) the early period (Beginning 12-48 days after the trauma); 3) the intermediary period (cicatrization); 4) the late pe-

Card 1/2

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549220020-6

1. 1. 1. 1. 1.

"Linear Perspectives on a Plane for Free position of the main ray." Cand. Tech. Sci,
Leningrad Polytechnic Engineering Inst, Leningrad, 1955. Dissertation (Referativnyy
Journal--in Russian version, Vol 34)

2. 1. 1. 1. 1.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549220020-6"

~~SHERESHEVSKIY, Iosif Abramovich; VASIL'KOVSKIY, S.V., prof., nauchnyy red.;~~
~~SHOK, N.Ia., red.izd-Va; PUL'KINA, Ye.A., tekhn.red.~~

[Standardized elements for industrial buildings; a textbook of
designing] Unifitsirovannye chasti promyshlennyykh zdaniy; posobie
dlja uchebnogo proektirovaniia. Leningrad, Gos. izd-vo lit-ry po
stroitel. i arkhit., 1957. 7 p. 16 p. of diagr. (MIRA 11:5)

1. Ohlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR
(for Vasil'kovskiy)
(Industrial buildings)

AUTHOR: Shereshevskiy, I. A. Dotsent 3-7-20/29

TITLE: Training Models of Progressive Construction (Uchebnyye makety progressivnykh konstruktsiy)

PERIODICAL: Vestnik Vysshay Shkoly, 1957, # 7, pp 77-79 (USSR)

ABSTRACT: The author of this article directs the construction of training models at the Chair of Construction and Architecture of the Leningrad Polytechnical Institute. The models represent sections of industrial buildings. The first series of 5 models was designed in 1951. These have been replaced by a new series of models, designed in 1956. The author points out that the utilization of these models has worked well to increase the interest of students and that they are good training aids. However, a number of omissions was noted, which will be corrected in the new models that are being designed by the Leningrad Institute of Building Engineering (Leningradskiy inzhenerno - stroitel'nyy institut). The author recommends the organization of workshops for experimental models, and a factory for the serial design of school-models.

Card 1/2 There are 4 figures.

SHERESHEVSKIY, I.A.; ZHURAVSKIY, N.A., red.izd-va; ROZOV, L.K.,
tekhn. red.

[Residential buildings: structural systems and elements for
industrial methods of buildings; manual for design courses]
Zhilye zdaniia; konstruktivnye sistemy i elementy dlja in-
dustrial'nogo stroitel'stva; posobie dlja uchebnogo pro-
ektirovaniia. Leningrad, Gosstroizdat, 1962. 123 p.

(MIRA 15:5)

(Building--Details)

S/184/62/000/001/004/008
D041/D113

AUTHORS: Novikov, I.K., Engineer; Mukhina, T.N., Candidate of Technical Sciences; Shereshevskiy, I.S., Engineer

TITLE: Ceramic materials as heat carriers in high-temperature processes

PERIODICAL: Khimicheskoye mashinostroyeniye, no. 1, 1962, 33-36

TEXT: The article contains a detailed description of experimental investigations conducted with a wide range of materials in order to determine the best heat carriers for high-temperature processes. Laboratory and industrial tests were conducted and the following results obtained: The best ceramic heat carriers should be made of finely-ground material, baked and sintered. For medium temperatures such materials would include: chamotte (based on refractory clay and chamotte), mullite and kaolin with baking temperatures of 1400°C, 1450°C, and 1240°C respectively, and the "Uralit" ceramic material; for high temperatures -

Card 1/2

Ceramic materials as heat carriers...

S/184/62/000/001/004/008
D041/D113

corundum (based on pure aluminum oxide), mullite-corundum (based on aluminum and silicon oxides), and carborundum-aluminum-oxide (30-50% carborundum, 40-50% high-aluminum-oxide, 10-14% Chasov-Yar clay) with baking temperatures of 1700°C, 1620-1650°C, and 1400°C respectively. Mullite compositions (softening temperature - 1600-1700°C) have a high mechanical stability and are relatively cheap. The use of mullite or corundum heat carriers with an addition of zirconium dioxide and oxides of other alkali rare earth elements is also recommended. Good results were obtained with granules of Al_2O_3 with an addition of 5-30% ZnO_2 . There are 2 figures, 3 tables, and 11³ references: 5 Soviet-bloc and 6 non-Soviet-bloc. The four English-language references are: C.L. Norton, "I.Amer.Cer.Soc.", v.29, no. 7, 1946; M. Kilpatrick, "Petrol Process", no. 6, 1954; H. Sherwood, "Petrol Process", no. 12, 1952; F.P. Hepp, "Ind.Eng.Chem.", v.41, 1949, pp 25-31.

Card 2/2

SHERESHEVSKIY, L.

River transportation in China. Rech.transp. 15 no.7:29-32 J1
'56. (MIRA 9:9)
(China--Inland water transportation)

SHERESHEVSKIY, L.

The role of transportation in Chinese foreign trade [with summary
in English. p.31]. Vnesh.torg.26 no.12:9-14 D '56. (MLRA 10:2)
(China--Commerce) (China--Transportation)

SHERESHEVSKIY, L.E.; POPOV, A.S., red.; RUDCHENKO, A.M., red. izd-va,;
PAVLOVSKIY, A.A., tekhn. red.

[Transportation and forwarding operations in foreign commerce]
Transportno-ekspeditorskie operatsii vo vneshnei torgovii. Moskva,
Vneshtorgizdat, 1958. 220 p. (MIRA 11:11)
(Commerce)
(Freight and freightage)

SHERESHEVSKIY, L.

Improve the organization of the transportation of goods in
foreign trade. Vnesh.torg. 30 no.3:48-51 '60.
(MIRA 13:3)
(Shipment of goods)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549220020-6

SANKOV, V.M., inzh.; SHERGACHEVSKIY, L.E.

Railroads of Iran. Zheleznodorozhnye transp. 43 no.4:89-93 Ap '61.
(MIRA 14:3)
(Iran--Railroads)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549220020-6"

GUBERMAN, Roman L'vovich, kand. ekon. nauk; MARKELOV, Petr Alekseyevich;
FEL'DBAUM, Samson Solomonovich; SHERESHEVSKIY, Leonid
Emmanuilovich; KEYLIN, A.D., prof., red.; LEVCHUK, K.V., red.
izd-va; TSAGURIYA, G.M., tekhn. red.

[Transportation organization of export and import freight in
the U.S.S.R.] Organizatsiya perevozok eksportnykh i import-
nykh gruzov SSSR. [By] R.L.Guberman i dr. Moskva, Vneshtorg-
izdat, 1962. 250 p. (MIRA 16:5)

(Freight and freightage)

S/115/60/000/011/001/013
B019/B058

AUTHORS: Shereshevskiy, L. M. and Barskiy, A. M.

TITLE: Using Plywood Panels for Manufacturing Large Measuring Instruments

PERIODICAL: Izmeritel'naya tekhnika, 1960, No. 11, pp. 10 - 12

TEXT: A number of measuring instruments, suitable for precise measurements in the range of from 500 to 3000 mm were produced at the Eksperimental'nyy nauchno-issledovatel'skiy institut (ENIKMaSh) (Experimental Scientific Research Institute) for a factory in Voronezh. Low weight and low thermal diffusivity were the most important requirements for the instruments. Plywood panels seemed to be suitable. It was planned to manufacture micrometers for 500 to 1200 mm, angles with 2000 mm, indicator checking devices of from 1000 to 4000 mm, instruments for measuring wheel bases up to 3000 mm, etc. A micrometer for the measuring range of from 800 to 900 mm with a weight of 3.9 kg was thoroughly tested to check the production quality. The nominal error of the instrument, calculated on the basis of GOST data, was +24 microns, the experimentally

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Card 1/2

Using Plywood Panels for Manufacturing Large Measuring Instruments S/115/60/000/011/001/013
B019/B058

determined error ± 7.5 microns. Further investigations showed that the instruments described here are suitable for measuring parts of quality class two, a strict observance of temperature conditions not being required. Special provision must be made for measurements on parts of quality class one, excluding a deformation of the micrometer yoke. A checkup proved the suitability of the designs described here. There are 2 figures, 2 tables, and 1 Soviet reference:

Card 2/2

BARSKIY, A.M.; SHERESHEVSKIY, L.M.

Industrial means for measuring large dimensions. Izm.tekh.
no.9:7-8 S '61. (MIRA 14:8)
(Gauges)

s/182/62/000/007/006/007
D040/D113

AUTHOR: Vasil'yev, N.N., and Shereshevskiy, L.M.

TITLE: The FEIS-60 noncontact device for measuring the blow energy
of hammers

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no. 7, 1962, 43-45

TEXT: Detailed design and operation description is given of the ФЕИС-60
(FEIS-60) photoelectronic meter developed in 1960 by ENIKMASH for measuring
the speed of the dropping parts of forging hammers. The meter, which can
be used in both shop and laboratory research, can measure speeds of 5-10
m/sec, but can also be changed to measure speeds of a fraction of a m/sec,
or extended to measure speeds of 100 m/sec by using differently graduated
dial scales. The measurement accuracy is $\pm 2.5\%$. The major components are:
a photo-pickup with two Ф9У-2 (FEU-2) photoamplifiers and a light tube; a
microfeed unit; a tripod enabling heights and angles to be adjusted; an
electronic reading unit. The optical system has 2 pairs of metal mirrors,
the first pair splits light from the tube into 2 beams, and the second

Card 1/2

S/182/62/000/007/006/007
D040/D113

The FEIS-60 noncontact device...

receives beams reflected from the hammer ram and reflects them onto the cathodes of the photoamplifiers; "start" and "stop" signals are thus transmitted to the measuring unit. The optical system and the meter are illustrated. The reading unit connected with the photo-pickup by a cable is to be placed about 5 m from the hammer and is controlled by 1 operator. Terminals are provided for connecting an oscilloscope. The pilot unit of the FEIS-60 meter is now used at the Voronezhskiy zavod KPO im. Kalinina (Voronezh KPO Plant im. Kalinin). Modernized ~~ФЭИС-60М~~ (FEIS-60M) meters have been supplied to the "Uralmash" and the Gor'kiy and Ul'yanovsk automobile plants. A range of meters is being produced for the Rostovskiy institut sel'skhoz mashinostroyeniya (Rostov Institute of Agricultural Machinery) and the Nizhnesaraninskiy zavod KPO (Nizhnyaya Sarana KPO Plant). There are 5 figures.

Card 2/2

VASIL'YEV, N.N.; SHERESHEVSKIY, L.M.

Contactless device FEIS-60 for measuring the energy of the
hammer stroke. Kuz.-shtam. proizv. 4 no.7:43-45 Jl '62. (MIRA 15:7)
(Photoelectric measurements)
(Forging machinery)

LYUBIMOV, N.N., doktor ekon. nauk, prof.; FOKIN, D.F., kand. ekon. nauk; SHERESHEVSKIY, M.G., doktor ekon. nauk, prof.; PISKOPPEL, F.G., doktor ekon. nauk, prof.; DYURULEN, I.I., kand. ekon. nauk; LOPATIN, G.S., doktor ekon. nauk, prof.; MOGILEVCHIK, A.Ye., red.

[Foreign trade of the U.S.S.R., 1946-1963] Vneshniaia tor-govlia SSSR (1946-1963 gg.). Pod red. D.F. Fokina. Moskva, IMO, 1964. 189 p.

(MIRA 17:6)

1. Moscow. Institut mezhunarodnykh otnosheniy. 2. Kafedra mezhunarodnykh ekonomicheskikh otnosheniy Moskovskogo gosudarstvennogo instituta mezhunarodnykh otnosheniy (for all except Mogilevchik).

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549220020-6

SHERESHEVSKIY, N.A.

DECEASED
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SEE IIC

MEDICINE

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549220020-6"

SHERESHEVSKIY, Nikola Adol'fovich; KRAKOV, V.A., red.; LYUDKOVSKAYA, N.I.,
tekhn. red.

[Thyrotoxicoses] Tireotoksikozy. Moskva, Medgiz, 1962. 114 p.
(MIRA 15:4)
(HYPERTHYROIDISM)

SHERESHEVSKIY, N. I.

"Study of Operation of Self-Loading Mechanisms for Cone Ingots." Min Higher Education USSR, L'vov Polytechnical Inst, L'vov, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SO: M-955, 16 Feb 56

RABINOVICH, A.N., doktor tekhn. nauk; CHERESNEVSKIY, N.I., kand. tekhn.
nauk; VASILENKO, I.N., inzh.

Transfer machines and lines. Mashinostroenie no.5:8-12 S-0 '63.
(MIRA 16:12)

1. L'vovskiy politekhnicheskiy institut.

SHERESHEVSKIY, S.I.

Cooperation of auxiliary production units. Biul.tekh.-ekon.inform.
no.6:74 '60. (MIRA 13:8)
(Moscow Province--Industrial management)

SHERESHEVSKIY, S.I.

Rotor-type production lines in plants of the Moscow Province Economic
Council. Biul.tekh.-ekon.inform. no.6:76 '60. (MIRA 13:8)
(Moscow Province--Technological innovation)

SHERESHEVSKIY, S.I.

Centralized manufacture of standardized cutting tools and end mills.
Biul.tekh.-ekon.inform. no.9:78 '60.
(MIRA 13:10)
(Metal-cutting tools)

SHERESHEVSKIY, S.V.

Can thoughts be read? Nauka i zhizn' 23 no.6:44-45 Je '56.
(MLRA 9:9)

(Thought--Transference)

SHERESHEVSKIY, Ya., inzh.

Isothermal hardening of cylindrical sleeves for marine engines.
Rech. transp. 20 no.9:29-30 S '61. (MIRA 14:9)
(Marine engines) (Surface hardening)

PETROV, B., inzh.; SHERESHEVSKIY, Ya., inzh.

Quality control of bearing linings. Rech. transp. 20 no.11:
20-21 N '61. (MIRA 15:1)
(Ships—Maintenance and repair)
(Ultrasonic testing)

SHERESHEVSKIY, Ya., inzh.; KOSHELEV, A., inzh.

Methods of avoiding defects in cast iron engine pistons.
Rech. transp. 21 no.12:29-30 D '62. (MIRA 15:12)
(Iron founding—Defects)
(Pistons—Defects)

BOGATYREV, M.F., gvardii pidpolkovnik meditsinskoy sluzhby; SHERESHEVSKIY,
V.Kh., mayor meditsinskoy sluzhby

Treatment of burns. Voen.-med. zhur. no.3:75-78 Mr '56. (MLRA 9:9)
(BURNS AND SCALDS)

BOGATYREV, N.F., SHERESHEVSKIY, V.Kh.

Problems in the treatment of burns and burn disease [with summary in English]. Vest. khir. 80 no.6:60-63 Je '58 (MIRA 11:7)

1. Iz khirurgicheskogo otdeleniya N-skoy voinskoy chasti (nach. - A.N. Sirotkin) i N-skogo voyennogo gospitalya (nach. - P.I. Mamrenko) (BURNS, ther. technics (Rus))

SHER'SHEVSKIY, V.Ya.; KHODOROVSKIY, K.V.

Better analysis of raw material utilization. Tekst.prom. 18
no.10:5-8 0.'58. (MIRA 11:11)
(Textile industry--Accounting)

SHERESHEVSKIY, Ya.

Repairing ships by replacing units. Rech. transp. 20 no. 2:22-
25 F '61. (MIRA 14:2)

1. Glavnnyy inzhener zavoda imeni Lenina.
(Ships--Maintenance and repair)

S/123/62/000/008/014/016
A004/A101

AUTHOR: Shareshevskiy, Ya.

TITLE: Isothermal quenching of cylinder liners of marine engines

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 8, 1962, 27, abstract
8B163 ("Rechn. transport", 1961, no. 9, 29-30)

TEXT: The author reports on the successful application of isothermal quenching of cylinder liners of marine engines to increase their resistance to wear. The liners, heated to 920°C, were quenched in hot oil of 230°C and held for 600 min. After the isothermal quenching the liners possessed a hardness of HB 302 - 363. Wear tests carried out at a pressure of 47.5 kg/cm² and a sliding speed of 1.12 m/sec revealed an increased wear resistance of the liners subjected to isothermal quenching.

[Abstracter's note: Complete translation]

Card 1/1

REYKHRUDEL', E.M.; SMIRNITSKAYA, G.V.; SHERETOV, E.P.

High-frequency radiation of a discharge in an ion pump with cold cathode. Radiotekh. i elektron. 7 no.10:1809-1815 0 '62.
(MIRA 15:10)

1. Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta
im. M.V.Lomonosova i Ryazanskiy radiotekhnicheskiy institut.
(Electronics)

ACCESSION NR: AP4038625

S/0109/64/009/004/0728/0734

AUTHOR: Reykhrudel', E. M.; Sheretov, E. P.

TITLE: Ignition of a discharge in high vacuum in a cylindrical magnetron with a cold cathode

SOURCE: Radiotekhnika i elektronika, v. 9, no. 4, 1964, 728-734

TOPIC TAGS: arc discharge ignition, cascade theory, Townsend discharge, magnetron, cold cathode magnetron, self maintaining discharge

ABSTRACT: An attempt is made to apply cascade theory to the determination of the conditions under which a self-maintaining discharge is ignited in a cylindrical magnetron whose internal cylinder serves as a cold cathode, under high vacuum conditions (10^{-5} - 10^{-9} mm Hg), where a discharge ignites as a result of electron oscillation in the crossed electric and magnetic fields. The Townsend criteria for discharge ignition are used to determine the theoretical anode-potential dependence of the magnetic field intensity at which the self-maintaining discharge occurs. A quadratic distribution of the potential along the radius is assumed. A general solution of the problem is obtained also for the case of an arbitrary distribution

Card 1/2

ACCESSION NR: AP4038625

of the potential along the radius in the discharge gap. The theoretical curves agree well with experiment. Orig. art. has: 5 figures and 5 formulas.

ASSOCIATION: None

SUBMITTED: 22Jan63

ENCL: 00

SUB CODE: EC, EM

NR REF SOV: 004

OTHER: 005

Card 2/2

L 60338-65 FWT(1)/EPA(w)-2/EEC(b)-2/EWA(m)-2/EWA(h) Pm-4/Pn-4/Pz-6/Pac-4/Peb/
PI-4/Pj-4 IJP(c) AT/JM
ACCESSION NR: AP5018305

UR/0057/65/035/007/1255/1261

537.521

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B

AUTHOR: Reykhru del', E. M.; Sheretov, E. P.

TITLE: On the high vacuum discharge ignition mechanism in crossed electric and magnetic fields

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 7, 1965, 1255-1261

TOPIC TAGS: ¹⁵ magnetron, self sustained discharge, electron trajectory, electron scattering, avalanche

ABSTRACT: The authors have calculated ignition curves (magnetic field vs. anode potential) for a self-sustained discharge in a plane cold-cathode magnetron, using differential electron elastic scattering and ionization cross sections. It was assumed that an electron executes many cycloidal oscillations between collisions with the residual gas atoms and that these collisions occur at the average distance of the electron from the electrodes. The theoretical elastic scattering cross section was employed in the calculations, and a simple approximate expression was used for the differential ionization cross section, according to which the fraction of the energy transferred to the secondary electron is the

Card 1/2

L 60393-65

ACCESSION NR: AP5018305

square of the sine of the scattering angle. From this form of the ionization cross section it follows that the average energy of the electron is not changed by ionizing collisions as it drifts parallel to the anode, and that the avalanche that develops rotates about the cathode as a whole. This gives rise to space charge oscillations such as have been previously observed by the authors and G.V.Smirnitskaya ((Radiotekhnika i elektronika, 7, 1809, 1962)). The calculated ignition curves were compared with experimental curves obtained with a cylindrical magnetron. When the theoretical curve is normalized to the experimental data it represents them very well. The effect of outgassing the electrodes at 1600 °C was investigated. Outgassing the anode had a much greater influence on the ignition curve than outgassing the cathode. It is suggested that this may be due to the fact that most of the avalanches leading to self-sustained discharge are initiated by ions from the anode rather than by electrons from the cathode. Orig. art. has: 36 formulas and 4 figures.

ASSOCIATION: Fizicheskiy fakul'tet MGU (Physics Department, MGU)

SUBMITTED: 27Jun64

ENCL: 00

SUB CODE: EM, EC

NR REF Sov: 006

OTHER: 004

Card 2/2 2/11/64

L 27662-66 EWT(1) IJP(c) AT

ACC NR: AP6008291

SOURCE CODE: UR/0109/66/011/003/0532/0535

57
B

AUTHOR: Reykhrudel', E. M.; Sheretov, E. P.

ORG: Moscow State University (Moskovskiy gosudarstvennyy universitet)

TITLE: Current of a self-maintaining discharge at high vacuum in crossed electric and magnetic fields

SOURCE: Radiotekhnika i elektronika, v. 11, no. 3, 1966, 532-535

TOPIC TAGS: electric discharge, magnetron

ABSTRACT: The self-maintaining discharge in crossed electric and magnetic fields was theoretically studied by R. L. Jepsén (J. Appl. Phys., 1961, v. 32, no. 12) with an assumption that the negative space charge is distributed uniformly in the gap. The estimated current density exceeded experimental values by several times. The present article evaluates the discharge current with an allowance for a nonuniformly distributed space charge built up by the electron avalanches in the gap. A formula is developed for calculating the current density in amp/cm².torr. This formula exhibited good agreement with experimental results obtained from a cylindrical magnetron (7 mm between the cylinders; cathode-radius-to-anode-radius ratio, 0.7). "In conclusion, the authors wish to thank Graduate Student E. Isakayev for his part in the experimental work." Orig. art. has: 2 figures and 25 formulas.

SUB CODE: 09 / SURM DATE: 27Jul64 / ORIG REF: 001 / OTH REF: 002

Card 1/1 CC

UDC: 538.311.001.24

Z

SOV/176-58-7-2/17

22(3)

AUTHOR: Sherevera, A., Colonel

TITLE: The Organization and Conduct of Control Exercising and Training (Organizatsiya i provedeniye kontrol'nykh zanyatiy i ucheniy).

PERIODICAL: Voyenno-inzhenernyy zhurnal, 1958, Nr 7, pp 8-11 (USSR)

ABSTRACT: The author describes various problems affecting control exercises and training. The object of these exercises is to check the degree of readiness of a unit to carry out an operational plan, the degree of cooperation between lower units (sections, platoons and companies) and between the individual members of the units. Examples of operations are given, such as laying anti-tank mine fields, breaking passages thru minefields, excavating trenches or dugouts by explosives or dozers, setting up power stations for control points, etc. These control exercises can be carried out by

Card 1/3

SOV/176-58-7-2/17

The Organization and Conduct of Control Exercising and Training

big units such as battalions, if they are uniform units, i.e. of one speciality only. The time necessary for the control exercise is about 1/3 of the time spent in training. The control is carried out by the commander of the parent organization of the unit being checked, so that for instance a platoon is checked by a company commander and a company by a battalion commander. In some cases, engineering units of different specialities can be combined for a control exercise in cooperation such as an excavating-machine unit combined with an electric-power unit, etc. Conditions should be varied, the same exercises should be carried out at night and in day, under enemy fire, or on ground contaminated by radioactivity. The commander of the higher unit sets out the plan of a control exercise, its time, the area, conditions and technical equipment to be used. He not only checks the work of

Card 2/3

SOV/176-58-7-2/17

The Organization and Conduct of Control Exercising and Training

the unit, but corrects it in the course of the exercise. In all cases attention should be paid to the degree of training of the individual members of the teams.

Card 3/3

SHEPEVERA, A., gvardii polkovnik.

Guaranteeing equipment for the combat training of engineers and for
the engineering training of all types of troops. Voen.-inzh. zhur.
(MIRA 11:4)
102 no.3:17-21 Mr '58. (Military engineering)

SHEBEVERYA, N. I.

SHEBEVERYA, N. I.: "The interconnection between mineral nutrition of plants through the leaves and the roots (using spring wheat as an example)" Min Higher Education Ukrainian SSR. Khar'kov Order of Labor Red Banner Agricultural Inst imeni V. V. Dokuchayev. Khar'kov, 1956. (Dissertation for the Degree of Candidate in Biological Sciences).

Source: Knizhnaya letopis' No. 28 1956 Moscow

СОВЕТСКИЙ НАУЧНО-ИССЛЕДОВАТЕЛЬСКИЙ ИНСТИТУТ
ПО АГРОХИМИИ И АГРОБИОЛОГИИ

USSR/Cultivated Plants - Technical, Oil-bearing, Sacchariferous. II-7

Abs Jour : Ref Zhur - Biol., No 3, 1958, 39456

Author : S. Serevyn, N.I.
Inst : -

Title : Is it Necessary to Apply Top Dressing?

Orig Pub : Selskornaya svetka, 1957, No 6, 20-22.

Abstract : No abstract.

Card 1/1

SHEREVERYA, N.I.

Tagged atom method in the study of foliar feeding of plants.
Fiziol. rast. 6 no.5:544-549 S-O '59. (MIRA 13:2)

I.V.V. Dokuchayev Agricultural Institute, Kharkov.
(Plants--Assimilation) (Phosphorus--Isotopes)

RABINOVICH, A.N., doktor tekhn. nauk; SHERESHEVSKIY, N.I., kand. tekhn.
nauk; SLONEVSKIY, R.V., inzh.

Automatic transfer feed mechanisms. Mekh. i avtom. proizv.
18 no.7:24-30 J1 '64. (MIRA 17:9)

SHAREZA, V.Sh.

Automatic regulation of feeding clinker into the mill. T_Sement 20
no.2:18-20 Mr-Ap '49.
(Cement) (MLRA 7:5)

FILATOVA, M.A.; SHERGILOV, N.V.

Demulsification of crude oils at the Guryev Petroleum
Refinery. Khim. i tekhn. topl.i masel 6 no.7:21-25 Jl '61.
(MIRA 14:6)

1. Gur'yevskiy neftepererabatyvayushchiy zavod.
(Guryev (Guryev Province)--Petroleum--Refining)

SHERGILOV, N.V.; MARDANENKO, V.P.; FILATOVA, M.A.; BEN'KOVSKIY, V.G.

Overalkalinity of kerosine-gas oil distillates. Khim. i tekhn.
topl. i masel 7 no.10:36-41 0*62 (MIRA 17*7)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549220020-6

SHVERGIN, A. L.

"Maturing of Packed Cheese." (Dissertation for Degree of Candidate for Technical Science)
Min Higher Education USSR, Latvian Agricultural Academy, (Riga), 1955

SO: K-1036 26 Mar 56

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549220020-6"

SOV/98-59-8-2/33

14(10,11), 18(5)
AUTHORS: Naymushin, I., Head, Gindin, A., Chief Engineer, Shergin, B., Secretary of the Party Committee, Georgiyevskiy, S., Secretary

TITLE: Open Letter From the Workers on the Bratsk Construction Project

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 8, pp 3-4 (USSR)

ABSTRACT: As mentioned in the opening article, this is an open letter sent to all construction sites, industrial undertakings, technical institutes, and to the workers on the Krasnyarsk GES project in particular. Based on the resolutions of the June Plenum of the Central Committee of the Soviet Communist Party, and born of a desire to hasten the fulfillment of the plan, the letter calls for help to be extended by more experienced teams to those in a less fortunate position. In particular, it calls for aid from the workers of the town of Angarsk, the Glavmosstroy, and the Glavmospromstroymaterialov of the Mosgorispolkom (Moscow City Executive Committee) in this field of housing construction on the Bratsk site, admitting its inexperience in this sphere; from the Krivoy Rog ore-mining team in the construction of the Korshunov

Card 1/2

SOV/98-59-8-2/33

Open Letter From the Workers on the Bratsk Construction Project

iron-ore combine (output 12 million tons a year); from timber combines, in order to help with the construction of the largest wood-processing enterprise in the USSR (output 4 million cubic meters a year); and from the Academy of Construction and Architecture of the Ukrainian SSR in the field of the removal of earth and rock by means of explosives. In return, the Bratsk workers on the Padun Falls offer their help and experience to all who need it, especially to the workers on the Krasnoyarsk site on the Yenisey, who lag behind the former somewhat in the fulfillment of their part of the plan to provide a network of power stations in Siberia.

ASSOCIATION: Bratskgesstroy (Bratsk Construction Project) (Naymushin); Bratskiy gorkom KPSS (Bratsk Town Committee, CPSU (Georgiyevskiy)

Card 2/2

SCV/91-59-7-11/21

S(1,3)
AUTHOR: Shergin, N.A. Technician

TITLE: Wye-Delta Starting of an Electric Motor by Means of
Contactors

PERIODICAL: Energetik, 1959, Nr 7, p 19

(USSR)

ABSTRACT: For simplifying the wye-delta starting of electric motors, the author suggests a control circuit performing the starting in one operation only - pressing the starting button. By pressing the starting button, the wye-connection is switched on simultaneously with a time relay. The time relay connects the intermediate relay, which disconnects the wye-contactor and switches on the delta-contactor. A blocking system prevents that the delta-contacts are connected prior to switching-off the wye-contacts. The author states that such a control system was built for a 260 kw motor, functioning one year without failures. There is 1 diagram.

Card 1/1

21204
S/fff/61/000/004/001/001
B107/B202

9.1910 (also 2603)

AUTHORS: Belousov, S. P., Candidate of Technical Sciences, Senior Scientific Worker (see Association), Shergin, N. N., Senior Engineer

TITLE: Mutual influence of rhombic aerials located at a common point

PERIODICAL: Vestnik svyazi, no. 4, 1961, 6-8

TEXT: Already M. S. Gartsenshteyn and A. S. Golubchik have studied the mutual influence in an aerial assembly consisting of two separate rhombic aerials of the type $\text{РП } \frac{65}{4} 1.0$ ($\text{RG } \frac{65}{4} 1.0$), and in an aerial assembly consisting of two double rhombic aerials of the type $\text{РПД } \frac{65}{4} 1.0$ ($\text{RGД } \frac{65}{4} 1.0$) ("Rhombic aerials, located at a common point", Vestnik svyazi, no. 4, 1949). These measurements have been made, however, only in a narrow range of wavelengths and with a small distance between aerial and receiver (19 m) as compared with the largest dimension of the rhombic

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Card 1/6

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Mutual influence of rhombic ...

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aerial (10.5 m). These measurements were repeated to work out definite recommendations for the use of rhombic aerials on common poles. Besides, the mutual influence of aerial assemblies of the type РГ $\frac{70}{6}$ 1.25

(RG $\frac{70}{6}$ 1.25) with RG $\frac{65}{4}$ 1.0 and of the type РГД $\frac{70}{6}$ 1.25 (RGД $\frac{70}{6}$ 1.25) with RGД $\frac{65}{4}$ 1.0 was studied. The measurements were made with decimeter models with a model factor of 50. The receiver was fastened to a vertical pole at a distance of 90 m; the mutual influence of the rhombic aerials with different angles of suspension ψ (5° , 10° , 15°) could be determined. The measurement results are given in ξ_H / ξ_o . ξ_o is the value of the amplification factor in the case of independent suspension, ξ_H for central suspension with a passive aerial. The following aerial assemblies were studied: 1) aerial RG $\frac{65}{4}$ 1.0 (optimum wave λ_{01}) with aerial RG $\frac{65}{4}$ 1.0 (optimum wave $\lambda_{02} = 2\lambda_{01}$) (Fig. 1); 2) aerial RG $\frac{70}{6}$ 1.25 (optimum wave

Card 2/6

Mutual influence of rhombic ...

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λ_{01}) with aerial $RG\frac{65}{4}1.0$ (optimum wave $\lambda_{02} = 2.2 \lambda_{01}$) (Fig. 2); 3) aerial $RGD\frac{65}{4}1.0$ (optimum wave λ_{01}) with aerial $RG\frac{65}{4}1.0$ (optimum wave $\lambda_{02} = 2 \lambda_{01}$) (Fig. 3); 4) aerial $RGD\frac{70}{6}1.25$ (optimum wave λ_{01}) with aerial $RGD\frac{65}{4}1.0$ (optimum wave $\lambda_{02} = 2.2 \lambda_{01}$) (Fig. 4); 5) aerial $RG\frac{65}{4}1.0$ (optimum wave $\lambda_{02} = 2 \lambda_{01}$) with aerial $RG\frac{65}{4}1.0$ (optimum wave λ_{01}) (Fig. 5); 6) aerial $RG\frac{65}{4}1.0$ (optimum wave $\lambda_{02} = 2.2 \lambda_{01}$) with aerial $RG\frac{70}{6}1.25$ (optimum wave λ_{01}) (Fig. 6); 7) aerial $RGD\frac{65}{4}1.0$ (optimum wave $\lambda_{02} = 2 \lambda_{01}$) with aerial $RG\frac{65}{4}1.0$ (optimum wave λ_{01}) (Fig. 7); 8) aerial $RGD\frac{65}{4}1.0$ (optimum wave $\lambda_{02} = 2.2 \lambda_{01}$) with aerial $RG\frac{70}{6}1.25$ (optimum wave λ_{01}) (Fig. 8). With an optimum wave λ_{01} , reception is considerably weaker,

Card 3/6

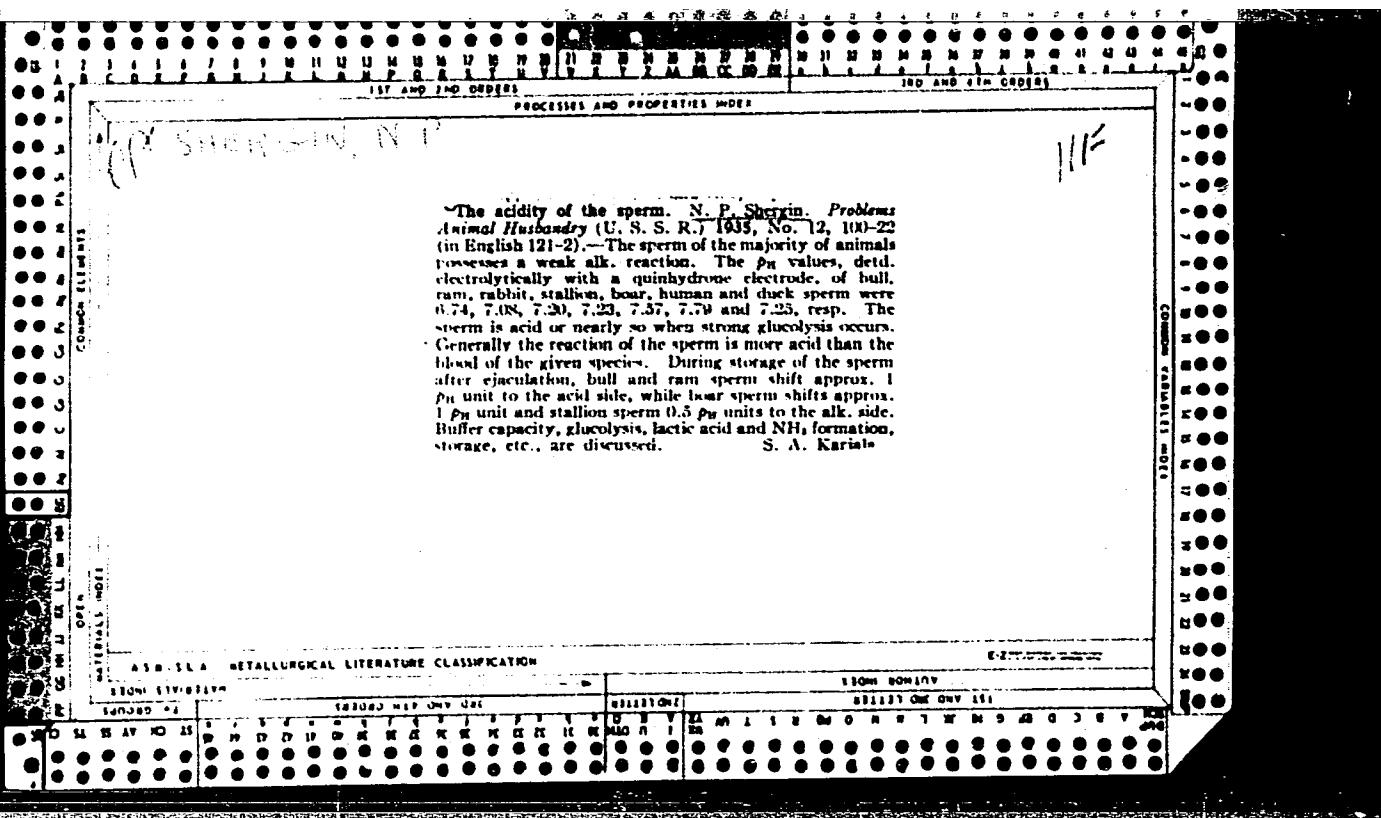
Mutual influence of rhombic ...

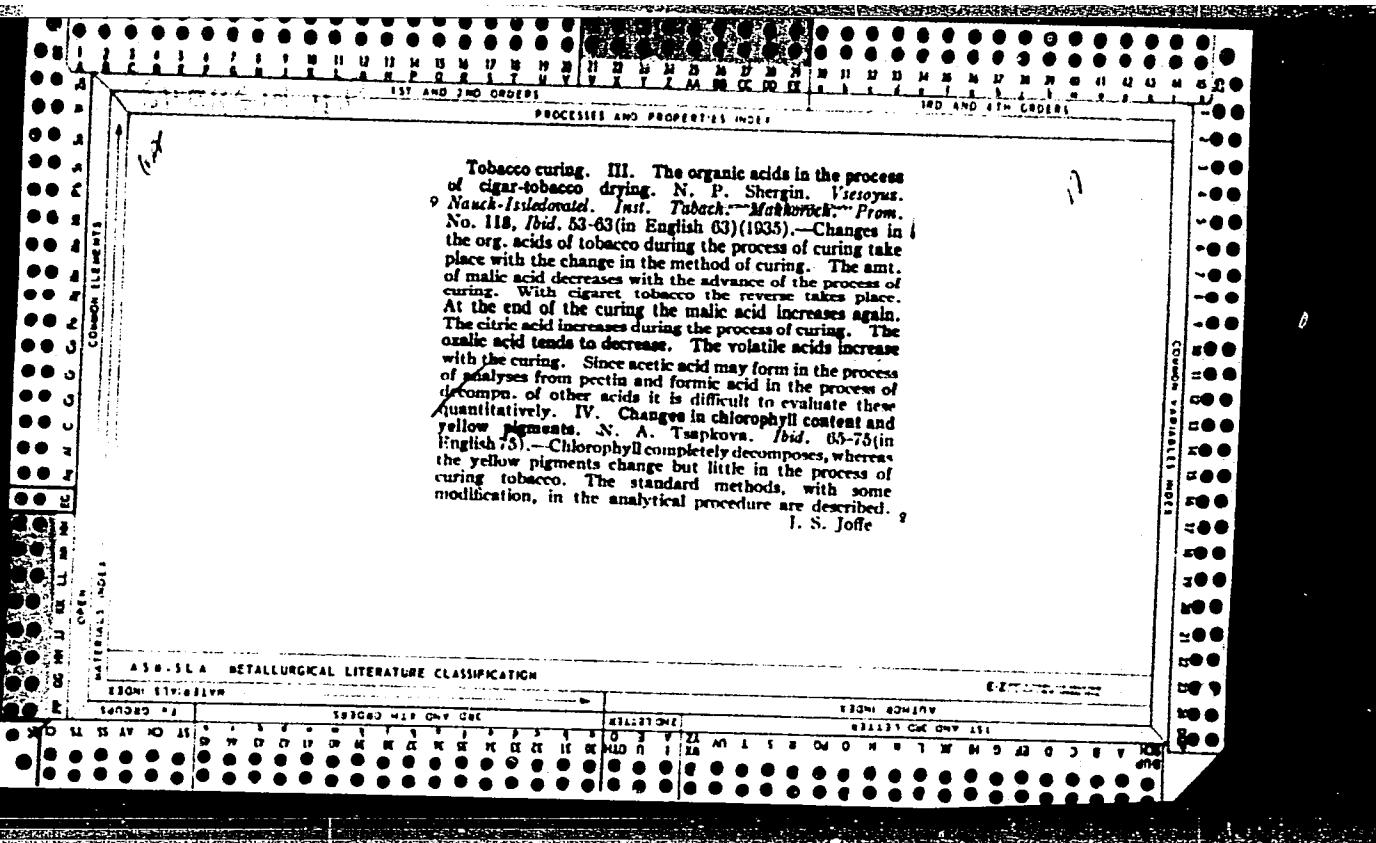
21204
S/111/61/000/004/001/001
B107/B202

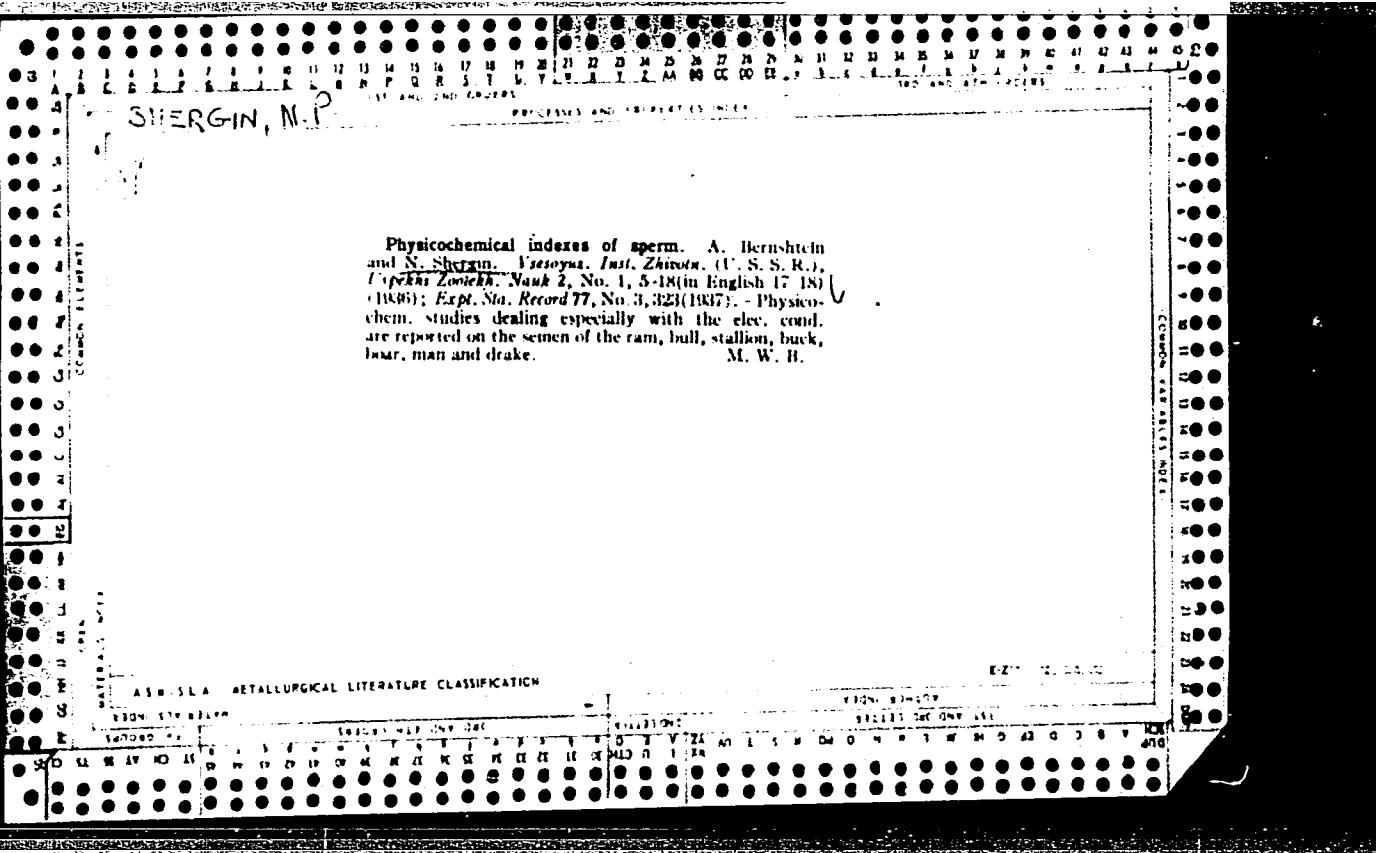
especially for angles of suspension corresponding to a low radiation of the aerial (Figs. 1-4). For angles of suspension which lie in the sector of the major lobe, impairment between $\lambda/\lambda_0 = 0.7-1.6$ is insignificant. Hence, the directional characteristic of two centrally suspended rhombic aerials is somewhat distorted. When working on the optimum wave λ_{02} reception is not essentially impaired (Figs. 5-8). On the basis of the experimental results obtained, the authors conclude that in special cases the central suspension of two rhombic aerials is possible, one of which is intended for day-time operation the other for night-time operation. There are 8 figures and 1 Soviet-bloc reference.

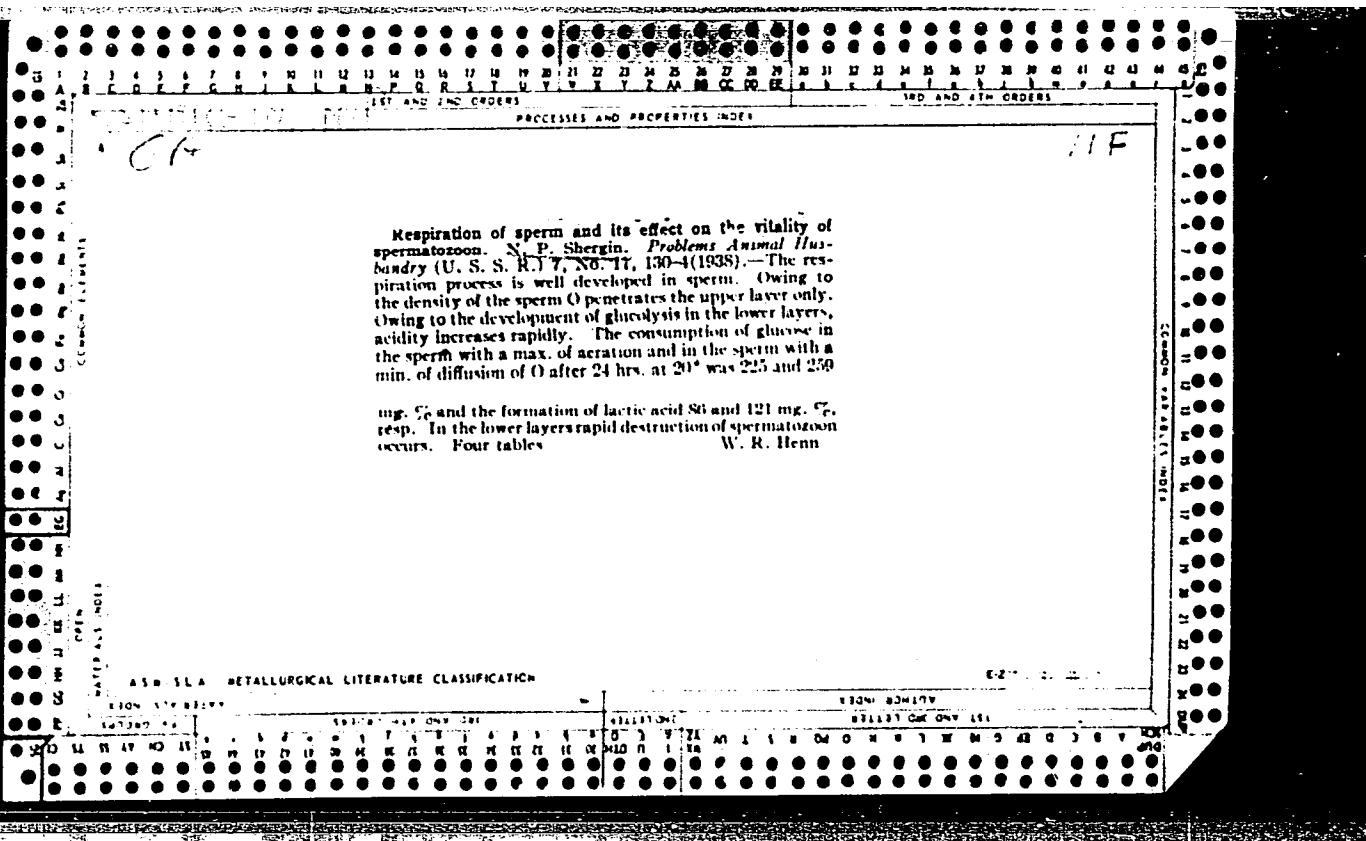
ASSOCIATION: NII Ministerstva svyazi SSSR (Scientific Research Institute of the Ministry for Communications USSR)

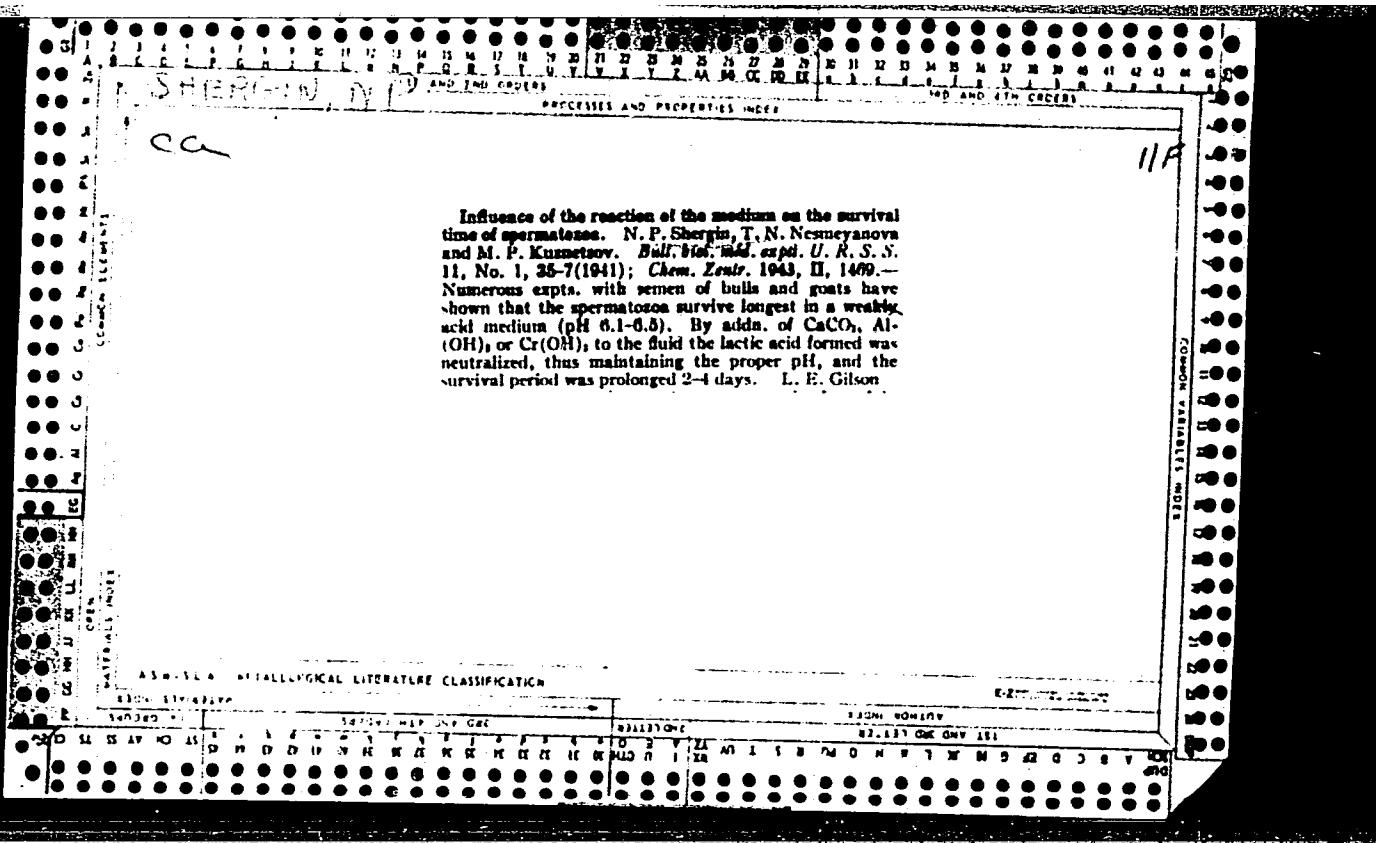
Card 4/6











SHERGIN, N.P., professor.

Role of fructose in artificial insemination. Dokl.Akad.sel'khoz.
21 no.10:35-39 '56. (MLRA 9:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva,
Predstavлено академиком V.K. Milovanovym.
(Fructose) (Artificial insemination)

MAGIDOV, G.A., kandidat sel'skokhozyaystvennykh nauk [translator];
TOMME, M.F., doktor sel'skokhozyaystvennykh nauk, professor, redaktor;
~~SHERGIN, N.P.~~, doktor biologicheskikh nauk, professor, redaktor;
NOVIKOV, Ye.A., kandidat sel'skokhozyaystvennykh nauk, redaktor;
SOKOLOV, A.V., redaktor; SMIRNOVA, N.I., tekhnicheskiy redaktor

[Physiological significance of the vitamin B group. Animal nutrition and fertility. Present-day opinions on livestock breeding methods. Translated from the English, German and French] Fiziologicheskoe znachenie vitaminov gruppy B. Pitaniye zhivotnykh i plodovitost'. Sovremennoye vzgliady na metody razvedeniia sel'skokhoziaistvennykh zhivotnykh. Perevod s angliiskogo, nemetskogo i frantsuzskogo G.A. Magidova. Pod red. i s predisl. M.F.Tomme, N.P.Shergina, E.A.Novikova. Moskva, Izd-vo inostr. lit-ry, 1957. 289 p. (MLR 10:10)

1. International congress of animal husbandry. 6th, Copenhagen, 1952.

(Vitamins-- B) (Stock and stockbreeding)

COUNTRY : USSR
CATEGORY :
ABS. JOUR. : RZhBiol., No. 1959, No.
AUTHOR :
INST. :
TITLE :
ORIG. PUB. :
ABSTRACT : the effect of cobalt as a food supplement on the sperm production of rams. Four rams were used for the experiment, of which 2 rams were controls. The experimental group was given CoCl_3 as a food supplement in a 4 mg daily dosage per each animal, dissolved in water. The experiment lasted 2.5 months. The rams' weight increased; the Co concentration increased in the feces of experimental animals from 66 gamma percent to 99-130 gamma percent. The urine's

CARD: 4/5

5

OZHIN, F.V.; RODIN, I.I.; PARSHUTIN, G.V., doktor biolog.nauk, red.;
SKATKIN, P.N.; SHERGIN, N.P.; YARNYKH, A.M., red.; MAKHOVA,
N.N., tekhn.red.; ZUBRILINA, Z.P., tekhn.red.

[Artificial insemination of farm animals; a manual for zoo-
technicians and veterinary workers] Iskusstvennoe osemenenie
sel'skokhoziaistvennykh zhivotnykh; rukovodstvo dlia zootekh-
nikov i veterinarnykh rabotnikov. Izd.2., perer. i dop. Pod
red. G.V.Parshutina. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959.
(MIRA 13:5)
428 p.

(Artificial insemination)

OZHIN, F.V.; RODIN, I.I.; RUMYANTSEV, N.V.; SKATKIN, P.N.; SHERGIN, N.P.;
TRUBKIN, G.D., red.; SHEVTSOVA, A.A., red.; YARNYKH, A.M., red.;
PROKOF'YEVA, L.N., tekhn. red.

[Artificial insemination of farm animals; manual for zootechnicians
and veterinary workers] Iskusstvennoe osemenenie sel'skokhoziaistven-
nykh zhivotnykh; rukovodstvo dlja zootekhnikov i veterinarnykh rabot-
nikov. Izd.3., perer. i dop. By F.V.Ozhin i dr. Moskva, Izd-vo
sel'khoz.lit-ry, zhurnalov i plakatov, 1961. 447 p. (MIRA 14:12)
(Artificial insemination)

SHERGIN, N.P.

Concentration of the trace elements cobalt and copper in soils and
forage grasses of the Polesye Lowland (White Russia). Trudy Biogeokhim.
(MIRA 14:5)
lab. no.11:70-74 '60.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva.
(POLESYE—MINERALS IN SOIL)
(POLESYE—PLANTS—CHEMICAL COMPOSITION)
(TRACE ELEMENTS)

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CIA-RDP86-00513R001549220020-6

SHERGIN, S.N., inzh.

Structural analysis of mechanisms. Trudy MIMESKH 12:336-342
'60. (MIRA 13:9)
(Mechanical movements)

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CIA-RDP86-00513R001549220020-6"

BELOZEROV, V.G., (Kursk, ul. Engel'sa d.136, kv.27); SKVORTSOV, P.A. (Leningrad, ul. Solyuz pechatnikov, d.7.kv.26); PARKHOMCHUK, Ya. (Leningrad, ul. Solyuz pechatnikov, d.7.kv.26); TRAUBE, Ye.S.(Donetsk, 5, ul. Shchorsa, d.12. kv.8); DROZDOV, A.D. (Novocherkassk, ul. B.Khmel'nitskogo d.151. kv.26); VAYNBERG, A.M. (Moskva, V-180, Malaya Yakimanka, d.22, kv.19); FILATOV, M.A. (Kemerovo, ul. Dzerzhinskogo d.27, kv.11); GANZBURG, L.B. (leningrad P-3, Krasnosel'skaya, d.12, kv.2); BUDANOV, V.D. (Moskva, A-287, Chuksin tupik, d.4, kv.17); LYSENKO, N.G. (Kiyev, ul. Sulimovskaya, d.5.kv.71); SHERGIN, Ye.N. (Cherkassy, ul Uritskogo, d.37,kv.6); TRUSHCHEV, Ye.A.; SUVOROV, Iu.I. (Riga, ul. Suvorova, d.20, kv.11); OKHAPKIN, V.V. ARTAMONOV, I.G. (Riga, ul. Suvcrova, d.20, kv.11); OKHAPKIN, V.V. (Yaroslavl', Tutayevskoye shosse, d.32); OL'KHOVSKIY, I.L. (Khar'kov, pr. Moskovskiy, d.199)

Discoveries and inventions. Prom.energ. 19 no.7:55-56 Jl '64.
(MIRA 18:1)

1. Bereznikovskiy sodovyy zavod, byuro po ratsionalizatsii i izobretatel'stvu, Permskaya obl., g. Berezniki (for Trushchev).
2. Yaroslavl', Tutayevskoye shosse, d.32, YaZMOGK (for Okhapkin).
3. Khar'kov, pr.Moskovskiy, d.199, Khar'kovskiy elektromekhanicheskiy zavod, byuro po ratsionalizatsii i izobretatel'stvu (for Ol'khovskiy).

ПЕРОВИК, И.Н., канд.вeter.наук; СИДРИН, Ю.К., канд.вeter.наук; ВИДЕВСКИЙ,
А.М., научный сотрудник

Sensitivity of drugs in infectious atrophic rhinitis of swine.
Ussuriisk 42 no.10:36-38 C 185.

(MIRA 18:10)

1. Амгинский научно-исследовательский институт животноводства
Уссурийск,

YEGOSHIN, I.S., kand. veter. nauk; SHERGIN, Yu.K., kand. veter. nauk

Eradication of infectious strophic rhinitis of swine on
farms. Veterinariia 40 no.6:38-40 Je '63. (MIRA 17:1)

1. Kirgizskiy nauchno-issledovatel'skiy institut zhivotno-
vodstva i veterinarii.

VOL'FSO_N, I.S.; TELESHOVA, M.N. Prinimali uchastiye: SHEYKH-ALI, G.A.;
KAMALOVA, R.K.; SHERGINA, E.G.; SHASHINA, A.D.

New oil field in the Tatar A.S.S.R. Khim. i tekhn. topl. i
masel 9 no. 5:29-31 5 My'64 (MIRA 17:7)

1. Tatarskiy neftyanoy nauchno-issledovatel'skiy institut.

KIRILENKO, Fedor Grigor'yevich; SHERGINA, G., red.

[Efficiency promoters on the Krasnogorsk State Farm]
Ratsionalizatory Krasnogorskogo sovkhoza. Barnaul, Al-
taiskoe knizhnoe izd-vo, 1963. 47 p. (MIRA 17:4)

1. Direktor Krasnogorskogo sovkhoza na Altaye (for Kirilenko).

RUSANOV, Roza Dmitriyevna; SHERGINA, G., red.

[Weed control in row crop cultivation] Bor'ba s sorniakami
v propashnoi sisteme zemledeliia. Barnaul, Altaiskoe
knizhnoe izd-vo, 1963. 77 p. (MIRA 18:2)

PUDOVIK, A.N.; SHERGINA, I.V.

Allyl regrouping. Part 19: The reacion of magnezium organic compounds and sodium diethylphosphorate with isomeric isoprene hydrochloride and methoxychloroisohexanes. Zhur.ob.khim. 27 no.10: 2750-2755 O '57. (MIRA 11:4)

1.Kazanskiy gosudarstvennyy universitet.
(Magnesium--Organic compounds)
(Isoprene) (Hexane)

SHERGINA, K.B.

Calculating maximum flows of snow-water floods in rivers of the
plains area of Kazakhstan. Izv.AN Kazakh.SSR.Ser.energ. no.11:13-17
'56. (MLRA 10:2)
(Kazakhstan--Stream measurements)

SHERGINA, K.B.

Methods for estimating the water reserve in snow of the
Kazakhstan plains. Vest.AN Kazakh.SSR 12 no.12:64-72 D '56.
(MLRA 10:2)

(Kazakhstan--Water supply)

SHERGINA, K.B.

Statistical method for determining the mean gradient of a watershed.
Vest.AN Kazakh.SSR 12 no.6:92-96 Je '56. (MLRA 9:8)

1. Fredstavlena chlenom-korrespondentom AN KazSSR V.P. Zakharovym.
(Watersheds)

SHERGINA, K. B., Cand of Tech Sci -- (diss) "Snow floods and the maximum water discharge of rivers of Kazakhstan lowlands." Moscow, 1957, 15 pp (Central Institute of Weather Forecasting; Main Admin of Hydrometeorological Service under Council of Ministers USSR), 120 copies (KL, 33-57, 83)

SHERGINA, K.B.

Study and calculation of the characteristics of the Spring water
runoff of the rivers of the plains of Kazakhstan. Trudy Inst.
energ. AN Kazakh. SSR 2:208-216 '60. (MIRA 15:1)
(Kazakhstan--Water supply) (Kazakhstan--Rivers)

BRAGLAVSKIY, ALEXANDER PETROVICH, ZHENGINA, KAROLINA BOGDANOVNA,
Prilozheniye k knige "SAI TAKAeva, N.P., MURMALIYEV, S.N.,
CHUVAYEV, V.F., KORNYSHEV, G.V., KRASIKOV, S.A., KOVALEVA
I.F.", red.

(Water losses by evaporation from reservoirs of the arid
zone of Kazakhstan, based on the example of the Kengiz
Reservoir) Prilozheniye k knige "SAI TAKAeva, N.P., MURMALIYEV, S.N.,
CHUVAYEV, V.F., KORNYSHEV, G.V., KRASIKOV, S.A., KOVALEVA
I.F.", red. (Alma-Ata, Kaz. SSR, 1963). 275 p.
(MIRA 12.10)

SHERGINA, Yu.I.; KAYIN-KAYA, A.E.

Possibilities of the utilization of the natural variations of
boron isotopes for geochemical prospecting. Geokhimiia no.18:4
(MIRA 18:4)
67 Ja '65.

207/3850
207/3443(1)

PHASE I BOOK EXPEDITION

Akademicheskaya Nauka. Institut Protsessov i Analiticheskoye Delo. Leningrad.

Spektrofotometricheskij i Kolerometricheskij metody analiza (Spectrophotometric and Colorimetric Methods of Analysis). Moscow, 1956, 160 pages, 8 (12) Rrubles 100 Kopecks.

Sup. 241: V. P. Alferov, Corresponding Member, USSR Academy of Sciences, and A. V. Kudriavtsev, Doctor of Science, Institute of Chemistry, USSR Academy of Sciences, and others.

PURPOSE: The publication is intended for chemists, technicians, engineers, and geologists.

CONTENTS: This collection of 29 articles is published in two volumes. The first volume contains 14 articles on methods of spectrophotometry and colorimetry, and the second volume contains 15 articles. The general subject of the volume is the analysis of organic substances and inorganic compounds. The articles may describe fractional extraction, chromatography, absorption analysis, the sensitivity of the colormetric method, organic catalysis, the basic mechanism of the chemical method of analysis, spectroscopic determination of heterocompounds of organic acids, determining small concentrations of organic acids, determining organic bases, organic compounds, identification of organic mixtures, determination of organic acids, absorption spectra of organic substances, the behavior of organic acids in organic solvents, a chromatographic method of gas analysis, and a determination of aromatic hydrocarbons by gas analysis. No personnel lists are included. References are given at the end of each article.

PART II OF THIS WORK:
207/3850
207/3443(1)

Khimiya i Tekhnika, A. D. Gulyaev, Ed., 1956, 160 pages, 8 (12) Rrubles 100 Kopecks.

Nature

Arutyunyan, V. B. Postupokomponentnoe chislennye issledovaniya v sostoyaniye i usloviya povedeniya sostoiniya

Fazhmetod. O. M. Izmerenie metodov i instrumentov analiza pri distil'cii. Produkty nefti i naftoproducty. 276

Shashik, J. M., M. I. Korshak, O. P. Prostokhina, and L. V. Fabrikant. Aplikatsiya spetrofotometricheskogo metoda k izucheniiu nafty po vlastnostiam nafty. 283

Slabodkina, P. V., Ya. I. Osipova, and M. L. Tsvetkov. Fazometria. 284

Optiko-akusticheskij metod i drugi analiz. 285

Rezhubkin, A. A., B. A. Grondin, and P. Ya. Glazkov. Photoelektricheskij spektrofotometr dlya absorbcionnoj analizy. 289

Velichko, A. M., Sh. S. Michailov, and A. I. Pishchalskaya. Automaticheskaja spetrofotometrija. 293

Velichko, A. M., and A. I. Pishchalskaya. Instrument for the Photometric Determination of a Precious Metal Under Industrial Conditions. 292

Pisarev, V. G., V. V. Mal'tsov, and S. L. Gorbach. Statistical Study of Turbulent Errors in Working With Photoelectric Colorimeters. 294

207/3850
207/3443(1)

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Card 6/6

KALIBERDO, L.M.; KUZNETSOVA, V.P.; SHERGINA, N.I.

Hydrogenation products of α - and β -methylnaphthalenes and
their Raman and ultraviolet absorption spectra. Report No.1:
Hydrogenation products of β -methylnaphthalene. Izv. Sib. otd.
AN SSSR no.3:77-83 '58. (MIRA 11:8)

1. Vostochno-Sibirskiy filial AN SSSR.
(Naphthalene--Spectra) (Hydrogenation)

KOTLYAREVSKIY, I.L.; SAMOYLOVA, A.A.; SHERGINA, N.I.

Condensation of metacresol with allyl chloride. Izv. Sib. otd.
AN SSSR no.6:54-58 '58. (MIRA 11:9)

1. Vostochno-Sibirskiy filial AN SSSR.
(Cresol) (Allyl chloride) (Condensation products (Chemistry))

SKVORTSOVA, G.G.; KUZNETSOVA, V.P.; SHERGINA, N.I.

Hydrogenation products of α - and β -methylnaphthalenes, their
Raman and ultraviolet absorption spectra. Izv. Sib. otd. AN SSSR.
no.8:88-93 '58. (MIURA 11:10)

1. Vostochno-Sibirskiy filial AN SSSR.
(Hydrogenation) (Naphthalene--Spectra) (Raman effect)

ZAYDMAN, N.M.; SHERGINA, N.I.; PEREVALOVA, N.G.; KALECHITS, I.V.

Use of spectrophotometric methods for the analysis of lower
phenols of semicoke tars. Trudy kom. anal. khim. 8:243-251
'58. (MIHA 11:8)

1. Vostochno-Sibirskiy filial Akademii nauk SSSR.
(Cresol--Spectra) (Phenol--Spectra)

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Possibility of spectrophotometric analysis of the phenols C₆-C₈.
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(Phenols—Spectra)

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5(3)

AUTHORS: Kalabina, A. V., Shergina, S. I., Shergina, N. I.

TITLE: XXVII. Synthesis and Properties of Cis- and Trans-Isomers of
α,β-Ethyl-vinyl-aryl Bromides

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya
tekhnologiya, 1959, Vol 2, Nr 4, pp 545 - 549 (USSR)

ABSTRACT: The addition of bromine to vinyl-aryl ethers with the formation
of α,β-diethyl-ethyl-aryl bromide with theoretical yields has
been previously proved by the authors (Ref 1). In addition to
the problem mentioned in the title, the paper under discussion
deals with the separation of the substances mentioned there into
cis- and trans-isomers. A survey of publications is added (Refs
2-10). The authors separated the compounds mentioned in the title
as cis- and trans-isomers (ratio - 3:1) with a total yield of
80-89% of the theoretical yield. The compounds are colorless
liquids with a sharp unpleasant odor, and a strong lachrymose
effect. Table (p 546) shows that the boiling temperatures, re-
fractive indices, and specific gravities of cis-isomers are con-
siderably higher than those of trans-isomers. The molecular weights
and refractions of the trans-isomers, however, are higher (in
accordance with reference 11). In order to check the configu-

Card 1/2

XXVII: Synthesis and Properties of Cis- and Trans-Isomers SOV/153-2-4-14/32
of β -Ethyl-vinyl-aryl Bromides

ration of the substances mentioned in the title, their interaction with caustic potash was investigated (see Equation). Under the same conditions, HBr separated more quickly from the trans-isomer than from the cis-isomer, as was to be expected. Figures 1-3 show absorption curves of the compounds obtained in isoctane in ultra-violet light. Although the picture typical of phenyl-vinyl ether is preserved in the spectra of the two isomers, their curves distinctly differ from each other. In conclusion, analogous differences of the two isomers of β -ethyl-vinyl bromide of o-cresol, and α, β -diethyl-ethyl-orthocresyl bromides (Fig 3, Fig 2, Curve 1) are discussed. There are 3 figures, 1 table, and 12 references, 6 of which are Soviet.

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Card 2/2

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24(7)
AUTHORS: Shergina, N.I., Kuznetsova, V.P., Nakhmanovich, A.S. and Kalechits, I.V.

TITLE: Absorption Spectra of Phenols in the Ultraviolet Region (Spektry pogloshcheniya fenolov v ul'trafioletovoy oblasti)

PERIODICAL: Optika i spektroskopiya, 1959, Vol 6, Nr 6, pp 803-806 (USSR)

ABSTRACT: Absorption spectra of 22 phenols have already been reported (Refs 5, 6). In the authors' laboratory a technique of quantitative determination of the composition of phenol mixtures C₆-C₈ (Ref 7) was developed and certain C₉ and higher phenols were prepared and studied (measurements were made using a quartz spectrophotometer SF-4 and pure iso-octane was used as the solvent). In this way experimental material on absorption spectra of 31 phenols was assembled: Fig 1 shows positions of the absorption maxima in all these phenols. In the majority of them the absorption maxima occur at 271, 272, 278, 279, 284 and 285 m μ . The table on p 805 shows the displacements of the wavelength of the fundamental maximum when various substituents are introduced at ortho-, meta- and para-positions. Introduction of methyl, ethyl, propyl and allyl at the ortho-position of the phenol hydroxyl group leads to a small bathodromic effect which is practically the same in all cases. Introduction to similar alkyl substituents at the meta-position

Card 1/2

SOV/Sl-6-6-17/34

Absorption Spectra of Phenols in the Ultraviolet Region

increases somewhat the bathochromic displacement. The greatest bathochromic effect is observed on introduction of alkyl substituents at the para-position. The same displacement is observed on introduction of alkyl substituents into ortho-, meta- and para-cresols. This shows that the length of the side chain of the substituent or presence of a double bond in it do not affect, to any great extent, the absorption curve, while the type of the substituent changes both the form and the position of the absorption bands. The authors discuss also other effects which can be deduced from the data of Fig 1 and relate them to molecular structure. There are 3 figures, 1 table and 8 references, 2 of which are Soviet, 4 English and 2 German.

Card 2/2